

Title (en)

Method of preparing metal oxide crystal

Title (de)

Verfahren zur Herstellung eines Metalloxid-Kristalls

Title (fr)

Procédé pour la préparation d'un cristal d'oxide métallique

Publication

EP 0624664 B1 19990107 (EN)

Application

EP 94303318 A 19940509

Priority

- JP 10857093 A 19930510
- JP 10857193 A 19930510
- JP 11506293 A 19930517

Abstract (en)

[origin: EP0624664A2] A method of preparing a crystal of a Y-series 123 metal oxide is disclosed, in which a substrate is immersed in a liquid phase which comprises components constituting the metal oxide. The liquid phase contains a solid phase located at a position different from the position at which the substrate contacts the liquid phase. The solid phase provides the liquid phase with solutes which constitute the Y-series 123 metal oxide so that the solutes are transported to the position at which the substrate and the liquid phase contact, thereby permitting the Y-series 123 metal oxide to grow on the substrate as primary crystals.

IPC 1-7

C30B 29/22

IPC 8 full level

C30B 15/00 (2006.01); **C30B 15/32** (2006.01)

CPC (source: EP US)

C30B 15/32 (2013.01 - EP US); **C30B 29/225** (2013.01 - EP US); **Y10S 505/729** (2013.01 - EP)

Cited by

US5602081A; US6083886A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0624664 A2 19941117; **EP 0624664 A3 19951115**; **EP 0624664 B1 19990107**; DE 69415716 D1 19990218; DE 69415716 T2 19991104; US 5602081 A 19970211

DOCDB simple family (application)

EP 94303318 A 19940509; DE 69415716 T 19940509; US 24006894 A 19940509